Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No: Second and Part Bill

Division: **Project**

Bill Received No.

Sub-Division:

Dated

Date: 2021

Divisional

Sub Divisional

Cash Book Voucher No. Dated

Work Code: 002-23-000002

Est Cost- 950.00 Lakhs

Schedule Docket No.

Head of Account: P3877

Name of Work: **PACKAGE No-04 Construction of Classrooms in Govt PU College and prewating grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Sathya park Yelahanka Assembly Constituency Under Amruthu Nagarothana Grants**

Name of Contractor and Full Address: **Sri. B B Umesha (M/s SMLP Asphalts)**

Reference to Workorder No: **EE(Project)/Yak Zone/WO/0014/2021-22**

Date: 03-08-2022

637915

Certified that the measurements were taken by me on 5/12/22 and recorded of Pages 637905 of Measurement Book No. 22/22-23 and that the work is satisfactorily executed.

Director

Officer-in-charge of work

Certified that the measurement were taken by me on 5/12/22 and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Chikkaballi-1961500-00

Bagiru-7632700-00

Assistant Executive Engineer

Project Division

Executive Engineer

Project Division

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being ..... percent Rs.....
3) Balance
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted
   towards cash advance recovery of
   b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

BA	11982300-00
BBS	240000-00
EMD	
Dep	106990-00
GS	10+990-00
Advt	12000-00
LC	119900-00
	18200-00
	604080-00
unadjustments items.	11378220-00

Total amount adjusted -

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

(For accounts Office)

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Head of Account 3877

Audited & admitted for Rs. 11982300

11378220-00 by Cheque

and Rs. 604080-00 Executive Engineer

Asst. Executive Engineer Project Division B.B.M.P.

Asst. Exec. Engineer Project Division B.B.M.P.

Executive Engineer Project Division B.B.M.P.

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BILL OF QUANTITIES

Sl. No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
1	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	70.55	55.34	49806.00	0.00	900.00	0.00	55.34	49806.00	
2	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineerin- charge. In cement mortar	Cum	216.66	0.00	0.00	0.00	1478.00	0.00	0.00	0.00	
3	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness. By Manual Means In area of light jungle	Ha	0.28	0.00	0.00	0.00	192864.00	0.00	0.00	0.00	
4	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work In all kinds of soils Depth upto 1.5 m	Cum	389.17	0.00	0.00	52.68	205.00	10798.99	52.68	10798.99	
5	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8 (M5) Using 40 mm nominal size graded crushed coarse aggregates	Cum	396.11	0.00	0.00	20.95	6139.50	128649.71	20.95	128649.71	
6	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	717.56	0.00	0.00	0.00	6206.32	0.00	0.00	0.00	
7	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Available Stone)	Cum	108.33	0.00	0.00	0.00	4764.69	0.00	0.00	0.00	
8	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates	Cum	490.66	0.00	0.00	0.00	6782.98	0.00	0.00	0.00	

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Sl. No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
9	Providing and laying heavy duty cobble stones 65mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications.	Sqm	1472.75	0.00	0.00	0.00	1243.59	0.00	0.00	0.00	
10	Removing and Resetting of Cobblestone	Sqm	1082.15	0.00	0.00	0.00	434.92	0.00	0.00	0.00	
11	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	24.30	0.00	0.00	28.45	7132.47	202890.17	28.45	202890.17	
12	Removing and resetting of kerb stones	m	685.08	0.00	0.00	0.00	134.94	0.00	0.00	0.00	
13	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete	Nos	5771.00	0.00	0.00	0.00	580.54	0.00	0.00	0.00	
14	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	1148.84	0.00	0.00	0.00	97.08	0.00	0.00	0.00	
15	Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq. Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*75mm galvanized flat for alround frame and 20mm*20mm galvanized- forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flat, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour, machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge of the work.	Sqm	2134.44	0.00	0.00	94.50	16265.75	1537113.75	94.50	1537113.75	

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Sl. No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
16	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72*72*4.8mm Sq. GI Pipe frame with top pipe bending in heavy duty hydraolic press with sand packing and hot bending to form double arch as per drawing profile,20mm hot dip galvanised sq.rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq.rods and heads at top,middle and bottom. Intermediate supports of 75*12mm and 50*6mm arch bent to hot .dip galvanised flats.the work is inclusive of throughing GI.flat GI sq.rods,placing,welding all the joints including grinding,finishing metal patty,painting wo coats enamel painting.The rate is inclusive of all materials like GI sq.pipe,GI.Sq.rods,GI forged designs etc., heavy duty hinges are made out of 75mm solid sq.block assembled with 20mm dia bearing in the three places for each flop. Heavy duty locking arrangements at low places including cost of labou,pailnting,erecting charges using hoist pulley cranes with all lead and lift,loading,transportation,unloading,scaffolding charges and all other incidental charges for sucessful completion of the work as per directions of the Engineer-in-charge of the work.	Sqm	44.64	0.00	0.00	0.00	22218.70	0.00	0.00	0.00	
17	Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.	Sqm	362.26	0.00	0.00	0.00	1303.78	0.00	0.00	0.00	
18	Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approved size and as per approved pattern on steel frame work complete.	Sqm	251.17	0.00	0.00	0.00	299.01	0.00	0.00	0.00	
19	Executive Bench- Made out of Sadarahalli grey granite stone with hand supports with 3 line finishing with arch/plain design with 100mm slabs. Height 90x Length 1500 width 45 cms (1.50 * 0.45 * 0.90m) (Including lead and lift charges) (Inclusive of all taxes) As per the direction of Engineer Incharge	each	72.00	0.00	0.00	0.00	18940.31	0.00	0.00	0.00	
20	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work.	Cum	3.98	0.00	0.00	0.00	460.16	0.00	0.00	0.00	
21	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	12.11	0.00	0.00	0.00	7488.75	0.00	0.00	0.00	

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Sl. No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
22	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	45.38	0.00	0.00	0.00	7518.85	0.00	0.00	0.00	
23	Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation / Substructure /Superstructure complete as per Drawing and Technical Specifications	Tonne	3.92	0.00	0.00	2.84	107945.19	306691.28	2.84	306691.28	
24	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix :1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge	Sqm	25.38	0.00	0.00	0.00	289.30	0.00	0.00	0.00	
25	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.	Sqm	74.51	0.00	0.00	95.75	3297.81	315760.13	95.75	315760.13	
26	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc , complete.	Sqm	118.40	0.00	0.00	56.45	3517.21	198540.79	56.45	198540.79	
27	Artist Custom designed light art sculptures life size various postures made with use of 6mm & 8mm MS sheet metal, fabrication with description of each sculpture. Sculpture lighting with IP67 grade LED RGBW scuplture lights with profile and casing, 24V with DC drivers, waterproof enclosures, accessories, cables, metal base, platform to base holding bolts and nuts, clamps, complete installation at project site as per base platforms, light and sculpture integration. Design to build artworks, sculptor fee, Labour, transportation, installation at predefined site locations.	each	12.00	0.00	0.00	0.00	624418.56	0.00	0.00	0.00	
28	Artist Custom designed Light art sculpture - social media selfie photobooth made of sheet metal and wood material, duco paint finishing, engraved letters as per approved designs.Design to build artworks, transportation, artist fee, labour, installation, integration selfie lights comprising LED RGBW sculpture lights with IP67 protection, 24V, DC drivers, accessories, wires at predefined site locations	each	1.00	0.00	0.00	0.00	1144767.36	0.00	0.00	0.00	

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Sl. No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
29	Artist custom designed dynamic and colouful 3D LED light Sign (NAMMA YELAHANKA) measuring 16.5 mtrs x 3 mts made up of trimp cap with acrylic sheet with support metal fabrication for each section for firm ground hold, IP67 grade RGBW LED signage lights with capability of creating millions of light combination, programming combinations, 24V with necessary drivers, heat dissipitation body, DMX 512 control, T & I Connectors with dxm cables and splitters, strobe lights, accessories, base plates, power integration, light programming, Design for build artfles, artist fee, deployment at project site,labour, installation, transportation at predefined site locations	each	1.00	0.00	0.00	0.00	5331493.80	0.00	0.00	0.00	
30	Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	309.94	0.00	0.00	258.54	94.17	24346.15	258.54	24346.15	
31	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One coats on old work as per specifications and as per directions of Engineer in charge.	Sqm	466.08	0.00	0.00	293.44	88.34	25923.13	293.44	25923.13	
32	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	kg	1654.50	0.00	0.00	4738.11	195.13	924551.39	4738.11	924551.39	
33	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S. tube including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineerin- Charge.	kg	210.00	0.00	0.00	688.50	126.20	86891.45	688.50	86891.45	
34	Providing and laying in position Reinforced cement concrete for all Foundation works The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Columns) Qty Upto 125%	Cum	8.84	8.01	64020.00	0.00	7992.60	0.00	8.01	64020.00	
	Qty above 125%		0.45	0.00	0.00	0.00	7992.60	0.00	0.00	0.00	
35	Providing and laying in position Reinforced cement concrete for all Foundation orks The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Lintel, Beams, Slab) Qty Upto 125%	Cum	89.34	79.51	693305.00	25.98	8719.73	226511.22	105.49	919816.22	
	Qty above 125%		8.66	0.00	0.00	0.00	8719.73	0.00	0.00	0.00	

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Sl. No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
36	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) First Floor Qty Upto 125%	kg	13049.94	13049.94	1596268.66	0.00	122.32	0.00	13049.94	1596268.66	
	Qty above 125%		4000.00	2040.46	249590.00	528.51	122.32	64623.55	2568.77	314213.55	
37	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. First Floor	Sqm	253.80	229.52	282979.80	17.36	1232.92	21405.42	246.88	304385.22	
38	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	328.59	0.00	0.00	289.88	445.58	129157.68	289.88	129157.68	
39	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor Qty Upto 125%	Sqm	588.90	588.90	185803.84	0.00	315.51	0.00	588.90	185803.84	
	Qty above 125%		107.10	106.52	12264.00	0.00	315.51	0.00	106.52	12264.00	
40	Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m^2) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	328.59	0.00	0.00	258.34	85.14	22000.14	258.34	22000.14	
41	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One coats on old work as per specifications and as per directions of Engineer in charge. First Floor	Sqm	471.12	0.00	0.00	291.44	89.31	26028.00	291.44	26028.00	
42	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.	Sqm	276.16	0.00	0.00	268.12	3330.81	893091.54	268.12	893091.54	
43	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete	Sqm	108.28	0.00	0.00	42.79	3552.16	152000.79	42.79	152000.79	

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Sl. No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
44	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications First Floor Qty Upto 125%	cum	0.35	0.32	33441.19	0.00	104503.71	0.00	0.32	33441.19	
45	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. First Floor	Nos	3.00	0.00	0.00	3.00	1716.37	5149.12	3.00	5149.12	
46	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) First Floor	Sqm	8.97	0.00	0.00	8.97	5868.54	52622.90	8.97	52622.90	
47	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	kg	2991.38	972.00	192494.88	1423.54	198.04	281921.62	2395.54	474416.50	
48	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) Ground Floor	Sqm	42.53	0.00	0.00	0.00	8370.24	0.00	0.00	0.00	
49	Providing & fixing of louvered ventilator made out of multi chambered PVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm.(The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) First Floor	Sqm	10.95	0.00	0.00	0.00	5630.64	0.00	0.00	0.00	
50	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S.tube including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineerin-Charge.	kg	210.00	0.00	0.00	185.13	128.15	23723.59	185.13	23723.59	

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SL No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
51	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Columns)Qty Upto 125%	Cum	11.05	8.01	64658.00	0.00	8072.20	0.00	8.01	64658.00	
	Qty above 125%		0.45	0.00	0.00	0.00	8072.20	0.00	0.00	0.00	
52	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Lintel, Beams, Slab)Qty Upto 125%	Cum	89.55	78.38	690224.00	0.00	8806.13	0.00	78.38	690224.00	
	Qty above 125%		7.45	0.00	0.00	0.00	8806.13	0.00	0.00	0.00	
53	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) Second Floor	kg	13077.03	13077.03	1624951.75	0.00	124.26	0.00	13077.03	1624951.75	
	Qty above 125%		4000.00	3948.38	250181.00	0.00	124.26	0.00	3948.38	250181.00	
54	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. Second Floor	Sqm	252.45	228.07	284070.31	0.00	1245.54	0.00	228.07	284070.31	
55	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	258.57	0.00	0.00	289.88	447.54	129733.35	289.88	129733.35	
56	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	478.54	0.00	0.00	542.63	317.45	172258.76	542.63	172258.76	

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Sl. No.	Specifications	Unit	Sanctioned Qty	Work Executed							
				Since Previous Bill		Present Bill			Upto Date Bill		Remarks
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
57	Finishing walls with water proofing cement paint of required shade .New work (Two coats applied @ 4.84 kg/10 m^2) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	258.57	0.00	0.00	258.54	96.11	24848.19	258.54	24848.19	
58	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One coats on old work as per specifications and as per directions of Engineer in charge. First Floor	Sqm	478.54	0.00	0.00	293.44	90.28	26492.87	293.44	26492.87	
59	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.	Sqm	282.82	0.00	0.00	268.32	3363.82	902578.03	268.32	902578.03	
60	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.	Sqm	93.02	0.00	0.00	40.02	3588.08	143577.25	40.02	143577.25	
61	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications First Floor	Cum	0.27	0.00	0.00	0.32	105548.29	34197.65	0.32	34197.65	
62	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. First Floor	Nos	3.00	0.00	0.00	3.00	1733.85	5201.55	3.00	5201.55	
63	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) First Floor	Sqm	8.97	0.00	0.00	8.97	5923.82	53136.68	8.97	53136.68	
64	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	kg	2991.38	972.00	194380.56	2847.07	199.98	569371.12	3819.07	763751.68	

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SL No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
65	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) Ground Floor	Sqm	42.53	0.00	0.00	0.00	8453.73	0.00	0.00	0.00	
66	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm.(The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) First Floor	Sqm	10.95	0.00	0.00	0.00	5685.98	0.00	0.00	0.00	
67	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S. tube including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineerin-Charge.	kg	252.00	0.00	0.00	209.01	129.12	26986.81	209.01	26986.81	
68	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Columns)	Cum	8.84	0.00	0.00	0.00	8150.84	0.00	0.00	0.00	
69	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Lintel, Beams, Slab)	Cum	15.94	0.00	0.00	19.78	8892.53	175928.66	19.78	175928.66	

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Sl. No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
70	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) First Floor	kg	3220.83	0.00	0.00	0.00	125.23	0.00	0.00	0.00	
71	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished seamless type tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	kg	13982.60	0.00	0.00	1591.20	161.15	256426.34	1591.20	256426.34	
72	Supply of self supporting Metecno made Glamet 30mm thick insulated sandwich PUF Panels for Roofingmade out off CFC free factory injected Polyurethane foam in between two metal sheets. The thickness ofthe panel shall form 30mm outer excluding profile The panel should manufactured in continous lineprocess Externaltop sheet shall be trapezoidal sheet with 38mm crest & distance between two crest willbe 333.3mm pitch made out of 0.4TCT colour coated Galvanized steel having 16-20micron primer coat	Sqm	265.05	0.00	0.00	30.60	4370.54	133738.57	30.60	133738.57	
73	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. First Floor	Sqm	214.30	0.00	0.00	74.30	1257.19	93408.92	74.30	93408.92	
74	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	328.37	0.00	0.00	181.13	453.36	82117.75	181.13	82117.75	
75	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	159.98	0.00	0.00	64.25	320.36	20583.39	64.25	20583.39	
76	Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m^2) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. First Floor	Sqm	328.37	0.00	0.00	181.13	97.08	17584.10	181.13	17584.10	
77	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One coats on old work as per specifications and as per directions of Engineer in charge. First Floor	Sqm	159.98	0.00	0.00	64.25	91.26	5863.15	64.25	5863.15	

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Sl. No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
78	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.	Sqm	246.39	0.00	0.00	0.00	3396.83	0.00	0.00	0.00	
79	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.	Sqm	108.28	0.00	0.00	0.00	3624.00	0.00	0.00	0.00	
80	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications First Floor	Cum	0.10	0.00	0.00	0.10	106583.16	10391.86	0.10	10391.86	
81	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. First Floor	Nos	1.00	0.00	0.00	1.00	1751.32	1751.32	1.00	1751.32	
82	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) First Floor	Sqm	2.07	0.00	0.00	2.05	5983.04	12265.23	2.05	12265.23	
83	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	kg	3177.00	0.00	0.00	2847.07	201.93	574899.00	2847.07	574899.00	
84	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) Ground Floor	Sqm	48.60	0.00	0.00	0.00	8370.24	0.00	0.00	0.00	

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Sl. No.	Specifications	Unit	Sanctioned Qty	Work Executed							Remarks
				Since Previous Bill		Present Bill			Upto Date Bill		
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
85	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm.(The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) First Floor	Sqm	12.30	0.00	0.00	0.00	5742.28	0.00	0.00	0.00	
86	Supplying heavy gauge PVC conduit pipe ..... mm dia.....mm thick confirming to IS 2509 with suitable size bends, metal/PVC Junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 19/20 mm dia 2 mm thick	m	150.00	0.00	0.00	150.00	69.90	10484.64	150.00	10484.64	
87	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6 Way	each	21.00	0.00	0.00	21.00	242.28	5088.78	21.00	5088.78	
88	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box 6Module	each	21.00	0.00	0.00	21.00	200.96	4220.07	21.00	4220.07	
89	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6A One Way Switch	each	140.00	0.00	0.00	140.00	100.96	14134.85	140.00	14134.85	
90	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6A Three Way socket	each	24.00	0.00	0.00	24.00	186.39	4473.45	24.00	4473.45	
91	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.Stepped Fan Regulator Two Module	each	36.00	0.00	0.00	36.00	359.20	12931.06	36.00	12931.06	
92	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Short point upto 3m from tapping point to out let via switch box	point	15.00	0.00	0.00	15.00	287.36	4310.55	15.00	4310.55	
93	Supplying and fixing metal Fan box with Round Hook	each	36.00	0.00	0.00	36.00	187.36	6745.02	36.00	6745.02	
94	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade. multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments 1 mm2	m	180.00	0.00	0.00	180.00	27.36	4924.57	180.00	4924.57	
95	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade. multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments 1.5 mm2	m	180.00	0.00	0.00	180.00	30.09	5417.06	180.00	5417.06	
96	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mountin using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting. Made out of 14 SWG M.S enclosure. Single Door 4 Way SP & N	each	7.00	0.00	0.00	7.00	1263.98	8847.87	7.00	8847.87	

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				Since Previous Bill		Previous Bill			Upto Date Bill		Remarks
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
97	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC 60898, 6-32Amps SP	each	7.00	0.00	0.00	7.00	195.36	1367.52	7.00	1367.52	
98	Supplying, fixing and wiring esarth Earth Leakage Miniature Circuit Breaker [ELMCB] 240/250V upto 300mA sensitivity on existing wood/panel board 16-25Amps 2Pole	each	7.00	0.00	0.00	7.00	2865.96	20057.72	7.00	20057.72	
99	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C	each	3.00	0.00	0.00	3.00	532.36	1596.08	3.00	1596.08	
100	Supplying of ....feet PVC Batten with integrated LED tube .... W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80 Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. LED light fitting 1 x 4' - 20/22 W	each	80.00	0.00	0.00	80.00	567.92	45433.44	80.00	45433.44	
101	Fixing all types and all capacities of fluorescent /false ceiling / spot light / CFL / LED fittings indoor on the wall/ ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clA. On wall/ ceiling / Rafter / Girders	each	80.00	0.00	0.00	80.00	136.88	10950.42	80.00	10950.42	
102	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc. for operation on 230 V, 50 cycles, Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system. 48" Sweep (1200 mm) Regular model	each	36.00	0.00	0.00	36.00	2380.00	85680.00	36.00	85680.00	
103	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing "S" hook with fan regulator to the existing board together with supplying and fixing 5 A ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring	each	36.00	0.00	0.00	36.00	181.80	6544.80	36.00	6544.80	
	Extra Item										
11.01	"Providing and fixing cold rolled prepainted steel windows of IS standards, made out of 0.6mm thick deep drawing quality galvanised on both sides 120gms/sq.mtr. Primer coat upto 5 microns with thermosetting epoxy resin and finish painted with a polyester based paint 20 microns thick. The size of profiles is approximately 46 x 52mm for external frames, 46x46mm section for shutters, 46x70mm section for centre mullion/transom and 18x31mm section is for fixing glasses. The section should be cut to length joint mitred and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanised and fixed with nickle plated self taping screws The shutters are provided with approved quality of fixtures like handles made out of zamac alloy die cast and powder coated, receiver made out of glass filled nylone and hinges made out of CRCA powder coated. 4mm thick glass should be fixed with EPDM gaskets. Guard bars fabricated out of 10mm square bright bars shall be fixed horizontally at 125mm C/C by rivetting to the external frame. The above frames are fixed to the concrete / masonry walls by means of self expanding screws." with 4mm tinted glass with gaurd bars For First Floor	Sqm		0.00	0.00	40.60	7525.81	305539.77	40.60	305539.77	

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Sl. No.	Specifications	Unit	Sanctioned Qty	Since Previous Bill		Present Bill			Upto Date Bill		Remarks
				Quantity	Amount	Quantity	Rate	Amount	Quantity	Amount	
EI-02	"Providing and fixing cold rolled prepainted steel windows of IS standards, made out of 0.6mm thick deep drawing quality galvanised on both sides 120gms/sq.mtr. Primer coat upto 5 microns with thermosetting epoxy resin and finish painted with a polyester based paint 20 microns thick. The size of profiles is approximately 46 x 52mm for external frames, 46x46mm section for shutters, 46x70mm section for centre mullion/transom and 18x31mm section is for fixing glasses. The section should be cut to length joint mitred and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanised and fixed with nickle plated self taping screws.The shutters are provided with approved quality of fixtures like handles made out of zamac alloy die cast and powder coated, receiver made out of glass filled nylone and hinges made out of CRCA powder coated. 4mm thick glass should be fixed with EPDM gaskets. Guard bars fabricated out of 10mm square bright bars shall be fixed horizontally at 125mm C/C by rivetting to the external frame. The above frames are fixed to the concrete / masonry walls by means of self expanding screws." with 4mm tinted glass with gaurd bars For Second Floor	Sqm		0.00	0.00	40.60	7534.04	305882.02	40.60	305882.02	
EI-03	Providing and laying 100mm thick pre-cast cover slabs over drains & Rain pit of width not exceeding 800 mm using M20 concrete reinforced with Micro Alloyed High carbon steel with 3mm - 3ply wired steel @ 2.00 kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easydrainage of surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete. Approved Data rate	Sqm		0.00	0.00	40.00	2156.54	86261.60	40.00	86261.60	
	TOTAL				6468434.00			10160086.31		16628525.30	
	Add GST at 18%				1164318.12			1828815.54		2993134.55	
	TOTAL				7632752.12			11988901.84		19621659.85	

AARIN ASSOCIATES BANGALORE
Consultant

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

1015454.00
182782.00
1198236.00

Executive Engineer

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